

Title (en)

POWER SUPPLY DEVICE AND ELECTRIC VEHICLE PROVIDED WITH POWER SUPPLY DEVICE

Title (de)

NETZTEILVORRICHTUNG UND MIT DER NETZTEILVORRICHTUNG AUSGESTATTETES ELEKTROFAHRZEUG

Title (fr)

DISPOSITIF D'ALIMENTATION ÉLECTRIQUE ET VÉHICULE ÉLECTRIQUE POURVU D'UN DISPOSITIF D'ALIMENTATION ÉLECTRIQUE

Publication

EP 3780141 A4 20210428 (EN)

Application

EP 18912433 A 20181116

Priority

- JP 2018069574 A 20180330
- JP 2018042380 W 20181116

Abstract (en)

[origin: US2021013469A1] A power supply device has a structure in which a bind bar having bent pieces at both ends coupled to end plates disposed at both end portions of a battery stack is divided in a width direction of a side surface of the battery stack, the bent piece of each bind bar is bolted to an outer surface of one of the end plates, the one of the end plates is provided with a stopper wall that prevents rotation of a bent piece fixed with a single bolt, which is fixed to the one of the end plates via one bolt, and the bent piece is fitted to a stopper wall to prevent the displacement of the bind bar.

IPC 8 full level

H01M 50/244 (2021.01); **H01M 50/209** (2021.01); **H01M 50/224** (2021.01); **H01M 50/264** (2021.01)

CPC (source: EP US)

B60L 50/64 (2019.01 - EP US); **H01M 50/209** (2021.01 - EP US); **H01M 50/224** (2021.01 - EP US); **H01M 50/242** (2021.01 - EP US); **H01M 50/244** (2021.01 - EP); **H01M 50/249** (2021.01 - EP US); **H01M 50/264** (2021.01 - EP US); **B60K 6/28** (2013.01 - US); **B60Y 2200/92** (2013.01 - US); **B60Y 2400/112** (2013.01 - US); **H01M 2220/20** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP); **Y02T 10/70** (2013.01 - EP)

Citation (search report)

- [A] US 2013273404 A1 20131017 - OCHI SHINGO [JP], et al
- See references of WO 2019187316A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 11858362 B2 20240102; **US 2021013469 A1 20210114**; CN 111954941 A 20201117; CN 111954941 B 20221129; EP 3780141 A1 20210217; EP 3780141 A4 20210428; EP 3780141 B1 20240417; JP 7200224 B2 20230106; JP WO2019187316 A1 20210325; WO 2019187316 A1 20191003

DOCDB simple family (application)

US 201817041665 A 20181116; CN 201880092112 A 20181116; EP 18912433 A 20181116; JP 2018042380 W 20181116; JP 2020509609 A 20181116